



**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A heat ~~generator~~ generating apparatus for use in a heating apparatus, comprising:

coil members arranged along an axis extending in a longitudinal direction of ~~the a heat generator~~ generating member, and located outward of the heat generating member;

a central shaft in which core materials are made from ferrite and an outer circumference is coated with resin or non-ferrous metal, the central shaft being provided to extend along the axis, the core materials being arranged in positions corresponding to gaps between the coil members;

an elastic body formed to be a predetermined thickness at a circumference of the central shaft;

a conductor layer formed to be a predetermined thickness at a circumference of the elastic body; and

a second elastic body formed to be a predetermined thickness at a circumference of the conductor layer.

2. (Previously Presented) A heat generator according to claim 1, wherein the ferrite material of the central shaft is divided into a plurality of portions in a longitudinal direction, each divided portion being ferrous.

3.-10. (Canceled)

11. (Currently Amended) A fixing apparatus comprising:

a heat generator including (i) coil members arranged along an axis extending in a longitudinal direction of ~~the a heat generator~~ generating member, and located outward of the heat generating member, (ii) a central shaft in which core materials are made from ferrite and an outer circumference is coated with resin or non-ferrous metal, the central shaft being provided to extend along the axis, the core materials being arranged in positions corresponding to gaps between the coil members, (iii) an elastic body formed to be a predetermined thickness at a circumference of the central shaft, (iv) a conductor layer formed

to be a predetermined thickness at a circumference of the elastic body, and (v) a second elastic body formed to be a predetermined thickness at a circumference of the conductor layer;

a magnetic field generator which provides a magnetic field such that the conductor layer of the heat generator can generate heat; and

a pressure member which is provided along the central shaft of the heat generator, and applied pressure that deforms the elastic body layer by a predetermined amount to a predetermined position of the central shaft or the heating generator.

12. (Canceled)

13.-20. (Canceled)

21. (Previously Presented) A fixing apparatus according to claim 11, wherein the coil members are located outward of the second elastic body.

22. (Currently Amended) A heat ~~generator~~ generating apparatus for use in a heating apparatus, comprising:

coil members arranged along an axis extending in a longitudinal direction of ~~the a heat generator~~ generating member, and located outward of the heat generating member;

a central shaft in which a core material is made from ferrite, the central shaft being covered by material having a shearing resistance, the central shaft being provided to extend along the axis;

an elastic body formed to be a predetermined thickness at a circumference of the central shaft;

a conductor layer formed to be a predetermined thickness at a circumference of the elastic body; and

a second elastic body formed to be predetermined thickness at a circumference of the conductor layer.

23. (Canceled)

24. (Currently Amended) A heat ~~generator~~ generating apparatus for use in a heating apparatus, comprising:

first means, which is cylindrically formed along an axis extending in a longitudinal direction of ~~the a heat generator~~ generating member, and located outward of the heat generating member, for creating heat;

second means for causing the first means to generate an eddy current;

third means, which is cylindrically formed along the axis and at an outer circumference of the first means, for covering the first means, the third means having elasticity;

fourth means, which is cylindrically formed along the axis and at an inner circumference of the first means, for holding the first means, the fourth means having elasticity;

fifth means, which is cylindrically formed along the axis and at an inner circumference of the fourth means, for supporting the fourth means, the fifth means including core materials made from ferrite; and

sixth means for transferring heat of portions of the fourth means, which correspond to gaps between the second means.

25. (Previously Presented) A heat generator according to claim 24, wherein the sixth means for transferring includes a conductor.

26. (Currently Amended) A fixing apparatus comprising:

a heat ~~generator~~ generating apparatus including (i) first means, which is cylindrically formed along an axis extending in a longitudinal direction of ~~the a heat generator~~ generating member, and located outward of the heat generating member, for creating heat, (ii) second means for causing the first means to generate an eddy current, (iii) third means, which is cylindrically formed along the axis and at an outer circumference of the first means, for covering the first means, the third means having elasticity, (iv) fourth means, which is cylindrically formed along the axis and at an inner circumference of the first means, for holding the first means, the fourth means having elasticity, (v) fifth means, which is cylindrically formed along the axis and at an inner circumference of the fourth means, for supporting the fourth means, the fifth means including core materials made from ferrite, and

(vi) sixth means for transferring heat of portions of the fourth means, which correspond to gaps between the second means.

27. (Previously Presented) A fixing apparatus according to claim 26, wherein the sixth means for transferring includes a conductor.

28. (New) A fixing apparatus according to claim 1, wherein the central shaft is located inward of the heat generating member.

29. (New) A fixing apparatus according to claim 11, wherein the central shaft is located inward of the heat generating member.

30. (New) A fixing apparatus according to claim 22, wherein the central shaft is located inward of the heat generating member.

31. (New) A fixing apparatus comprising:  
a hollow shaft formed of one of metal and resin, and including a ferrite core located in the hollow shaft;  
a metal layer provided outward of the shaft;  
a coil provided outward of the metal layer, and causes the metal layer to generate an eddy current; and  
a pressure roller provided outward of the metal layer.

32. (New) The fixing apparatus according to claim 31, further comprising an elastic layer provided between the metal layer and the shaft.

33. (New) The fixing apparatus according to claim 32, wherein the coil is divided into a plurality of coil portions, and the ferrite core is provided in a position corresponding to a gap between the coil portions.